

IN THE DRAWINGS

Please amend the drawings as follows:

In FIG. 5e part number 552 should have Walsh Code (++--).

IN THE SPECIFICATION

Please amend the specification as indicated below. A redlined version of the amended paragraphs is attached to this response as Appendix A.

Please replace the paragraphs identified below with the following amended paragraphs:

Page 19, the paragraph beginning with the words "Further, this...":

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Further, this technique can be applied to multiple users whose signals are transmitted using completely or partially the same FL channels. For example, if the signals from four different users are going to be sent using the same three FL channels, then each of these signals is "channelized" by demultiplexing each signal into three components, where each component will be sent using a different FL channel. For each channel, the respective signals are multiplexed together to form one signal per FL channel. Then, using the technique described herein, the signals are transmitted. Returning to Figure 5a, the demultiplexed signal is then encoded by Walsh encoder 513 and spread into two components, components I and Q, by complex PN spread 515 and multiplier 517. These components are summed by summer 519 and communicated to a mobile station (not shown) by transmitter 521.

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Message generator 512 generates necessary control information messages and provides the control message to CRC and tail bit generator 514. CRC and tail bit generator 514 appends a set of cyclic redundancy check bits which are parity bits used to check the accuracy of the decoding at the base station and appends a predetermined set of tail bits to the control message to clear the memory of the decoder at the base station receiver subsystem. The message is then provided to encoder 516, which provide forward error correction coding upon the control message. The encoded symbols are provided to repetition generator 518, which repeats the encoded symbols to provide additional time diversity in the transmission. The symbols are then provided to interleaver 520 that reorders the symbols in accordance with a predetermined interleaving format. The interleaved symbols are provided on line 536 to modulator 526.
